



Performance Data Sheet

AVD5558EXG

General Information

Model	AVD5558EXG	Refrigerant	R-22
Test Condition	ARI	Performance Test Voltage	460V 3~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	Motor Type	3PH

Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
-15	Btu/h	18200	17500					
	Watts	2200	2230					
	Amps	4.69	4.71					
	Lb/h	235	235					
-10	Btu/h	20100	19100	18400				
	Watts	2360	2430	2470				
	Amps	4.76	4.83	4.85				
	Lb/h	258	254	256				
-5	Btu/h	22800	21400	20300	19400			
	Watts	2510	2610	2690	2730			
	Amps	4.84	4.96	5.03	5.05			
	Lb/h	291	283	281	280			
0	Btu/h	26200	24400	23000	21700	20500		
	Watts	2650	2790	2900	2980	3030		
	Amps	4.93	5.09	5.21	5.28	5.30		
	Lb/h	333	321	315	311	306		
5	Btu/h	30300	28100	26300	24600	23000		
	Watts	2770	2950	3100	3220	3300		
	Amps	5.03	5.23	5.39	5.51	5.58		
	Lb/h	382	367	358	351	343		
10	Btu/h	35000	32400	30200	28200	26200	24100	21600
	Watts	2890	3100	3280	3440	3560	3650	3690
	Amps	5.13	5.37	5.57	5.74	5.87	5.93	5.93
	Lb/h	439	421	409	399	388	373	351
15	Btu/h	40200	37300	34800	32400	30000	27500	24600
	Watts	2990	3230	3450	3650	3810	3930	4010
	Amps	5.23	5.50	5.75	5.97	6.14	6.26	6.32
	Lb/h	501	481	466	454	440	423	399
20	Btu/h	46000	42700	39800	37100	34400	31500	28300
	Watts	3080	3360	3610	3840	4040	4200	4320
	Amps	5.33	5.64	5.93	6.19	6.41	6.58	6.70
	Lb/h	570	547	530	515	500	480	454

25	Btu/h	52200	48600	45300	42200	39200	35900	32400
	Watts	3160	3470	3760	4020	4250	4450	4610
	Amps	5.43	5.77	6.09	6.40	6.66	6.89	7.06
	Lb/h	643	618	599	583	565	544	516
30	Btu/h	58700	54800	51200	47800	44400	40800	36900
	Watts	3230	3570	3890	4190	4450	4690	4890
	Amps	5.52	5.89	6.25	6.59	6.91	7.18	7.40
	Lb/h	720	694	673	655	636	613	583
35	Btu/h	65700	61400	57500	53800	50000	46100	41900
	Watts	3280	3650	4010	4340	4640	4910	5140
	Amps	5.61	6.01	6.40	6.78	7.14	7.45	7.73
	Lb/h	800	773	751	731	711	687	656
40	Btu/h	72900	68300	64100	60000	56000	51700	47200
	Watts	3320	3720	4110	4470	4810	5110	5380
	Amps	5.69	6.11	6.54	6.96	7.35	7.71	8.04
	Lb/h	883	855	832	811	790	765	733
45	Btu/h	80300	75400	70900	66500	62100	57600	52700
	Watts	3350	3780	4200	4590	4960	5300	5610
	Amps	5.76	6.21	6.66	7.11	7.54	7.95	8.32
	Lb/h	967	938	915	894	872	846	814
50	Btu/h	87900	82700	77900	73200	68500	63700	58500
	Watts	3370	3830	4270	4700	5100	5470	5810
	Amps	5.81	6.29	6.77	7.25	7.72	8.17	8.58
	Lb/h	1050	1020	999	978	956	930	897
55	Btu/h	95600	90100	85000	80000	75100	69900	64500
	Watts	3370	3860	4330	4780	5220	5620	6000
	Amps	5.86	6.36	6.86	7.37	7.87	8.36	8.82
	Lb/h	1140	1110	1080	1060	1040	1020	982

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	7.452179E+04	1.150928E+03	3.477647E+00	9.940446E+02
C2	1.343965E+03	-2.122395E+01	-1.770234E-02	1.464041E+01
C3	-1.186581E+03	1.683456E+01	9.313860E-03	-1.834656E+01
C4	1.183702E+01	-8.879316E-02	4.317001E-04	1.064533E-01
C5	-7.225120E+00	4.869070E-01	1.048650E-04	-7.040020E-02
C6	9.589470E+00	8.898856E-02	2.363963E-04	1.677220E-01
C7	-7.273916E-02	-3.347637E-04	-2.454918E-06	-1.042221E-03
C8	1.778752E-02	-1.606108E-03	-4.119772E-06	6.421476E-04
C9	-2.222656E-03	1.324608E-03	4.365056E-06	1.575141E-05
C10	-2.880001E-02	-8.242605E-04	-1.563944E-06	-5.215435E-04

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature

Tc = Condensing Temperature